



powerchecker™
PULSE LOAD MULTI-BATTERY TESTER



DESCRIPTION

Powerchecker™ provides a comprehensive means of testing the state of charge or state of power for more than 30 battery types. This microprocessor -controlled instrument is designed for commercial or home use and tests popular primary (non-rechargeable) and rechargeable batteries using a patented, high accuracy pulse load test. After a fully automatic test cycle, percentage of remaining battery capacity is indicated on the LED bar display. Battery types are clearly labelled next to appropriate contacts. The negative test lead/probe conveniently stores in seam at side. It's easy to use, and test results are easy to understand. Tests NiMH, Li-Ion, alkaline, lithium, coin cell, button type and more.

Requires 4 batteries (not included).

- **Computes State of Charge (SOC) for more than 40 battery types**
- **Easy to use - no switches or settings**
- **Emergency lighting / Battery back-up**
- **Test battery condition - quickly and easily identifies weak or failing batteries**
- **Patented high accuracy. Pulse Load Test - battery safe, non-invasive**
- **Measures battery performance under load, not just voltage or internal resistance**
- **Ideal for battery management and cell matching - reduce costs and increase reliability**
- **Ideal for wireless detectors**
- **Made in U.S.A Patents 6,823,724 and D569285**





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INSTRUCTIONS

There are no settings to make prior to testing. Select the proper terminal for the battery you plan to test, then follow these simple steps:

1. Place the battery's positive (+) terminal on the appropriate tester terminal. Battery types are clearly labelled next to each contact terminal.
2. Hold the built-in probe tip firmly against the battery's negative (-) terminal. If you are using a twin terminal set, for example 9-volt, the built-in probe is not used.
3. Hold contact firmly throughout the entire test cycle (during 'running' LEDs), then continue to hold contact to display
4. Lift the probe or battery to end a test, Repeat test for best accuracy.
5. A blinking 10% LED at the end of the test cycle indicates that the battery is less than 5% capacity.
6. When testing rechargeable type batteries (NiMH & Li-Ion), it is recommended that the battery be off the charger for at least 20 minutes prior to testing.

To test 9-volt batteries, note the polarity then hold the battery against the appropriate twin terminal set.

The display will remain lit until the battery is removed from the tester's terminals. This does no harm or drain the battery being tested.

Please refer to the full Operating Instructions Manual supplied with the unit for further information.



APPLICATIONS

- Emergency, and Fire Alarm Systems
- Electronics
- Rechargeables
- Security
- Industrial
- Medical
- Theatre/music
- Scientific
- Access control
- Remotes/wireless
- Inspection
- IT
- Utilities
- Battery Management
- Manufacturing
- Safety
- Service

SPECIFICATIONS

Part No.: PC01

Testing capability:

3.6v Li-Ion rechargeable [RCR123A, 18500, 17650, 18650]
1.5v button cell [S76, A76, A625, A640, LR44, 357, 303]
1.2v NiMH/NiCd rechargeable [AA, AAA, C, D]
1.5v lithium [AA (L91), AAA, (L92)]
3v lithium coin (CR) [1216, 1220, 1232, 1612, 1616, 1620, 1632, 2016, 2025, 2032, 2320, 2430, 2450, 58L, 1/3N]
6v '28' series [28A, S28, 28L]
3v cylindrical lithium [CR123, CR2]
1.5v alkaline [AA, AAA, C, D, N]
12v alkaline [A23]
9v alkaline, carbon zinc

Power (internal): 4 x AAA batteries

Display: 6 LEDs - Green, yellow, and red

Pulse Load: magnitude varies according to battery type

Test duration: 2-3 seconds, varies according to battery type

Contact terminals: nickel-plated brass for high conductivity and durability

Test lead: Flexible, high strand-count 18A WG plastic coated, kink-less lead wire

Dimensions: 8 x 4.5 x 1.25 inches

Weight: 14.5 oz. / 400g

UPC: 5060184301282

SOFT CASE ACCESSORY

- Designed for Powerchecker™
- Secure Velcro flap
- Protects against dirt and impact
- P/N PC01-SC



ALSO AVAILABLE FROM SDi

- **Professional Smoke Detector Testers**
with approved and listed dispensers
- **Genuine Professional Heat Detector Testers**
suitable for fixed temperature, rate of rise and combined detectors
- **CO Detector Testers**
with approved and listed dispenser
- **Aerosol Dispensing Tools**
as recommended by detector manufacturers
- **Detector Removal Tools**
suitable for all leading makes and model of detector
- **Access Poles**
to enable detector maintenance up to 30+ ft.
- **Complete Maintenance and Service**
providing complete solutions in economical and convenient kit formats
- **Smoke Detector Sensitivity Instruments**
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters